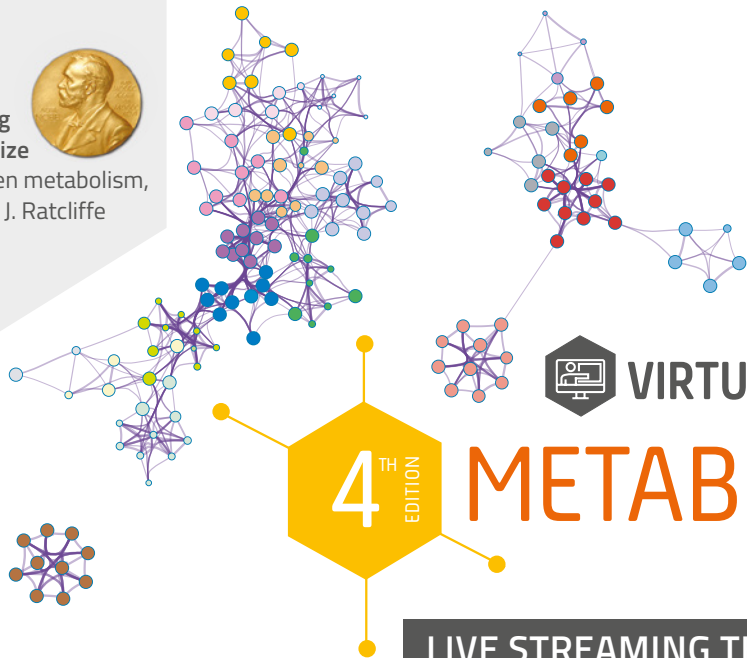


Featuring  
Nobel Prize  
on Oxygen metabolism,  
Sir Peter J. Ratcliffe



# PRELIMINARY SCIENTIFIC PROGRAM

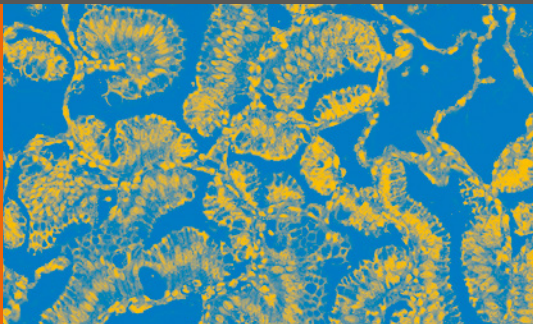
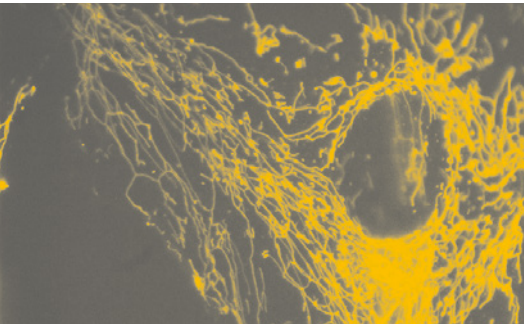
ADD TO  
CALENDAR



VIRTUAL MEETING - May 27<sup>th</sup>-29<sup>th</sup>, 2021

# METABOLISM & CANCER

LIVE STREAMING THROUGH [METABOLISM-CANCER.COM](http://METABOLISM-CANCER.COM)





VIRTUAL MEETING - May 27<sup>th</sup>-29<sup>th</sup>, 2021

4<sup>TH</sup>  
EDITION

# METABOLISM & CANCER

## SCIENTIFIC COMMITTEE

**Rodrigue Rossignol**, MRGM, Bordeaux

**Frédéric Bost**, C3M, Nice

**Alice Carrier**, CRCM, Marseille

**Laurent Le Cam**, IRCM, Montpellier

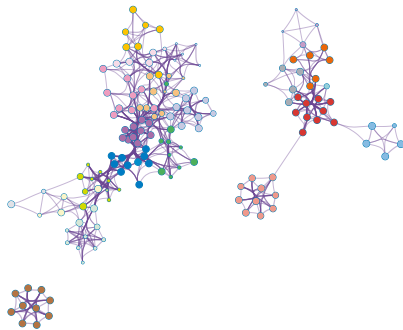
**Nathalie Mazure**, C3M, Nice

**Jean-Ehrland Ricci**, C3M, Nice

**Stéphane Rocchi**, C3M, Nice

**Jean-Emmanuel Sarry**, CRCT, Toulouse

**Sophie Vasseur**, CRCM, Marseille



## GENERAL INFORMATION

### INFORMATION & ORGANISATION

Com&Co Events, Etienne Jarry

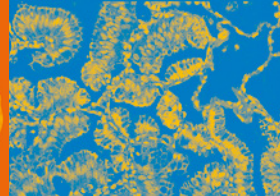
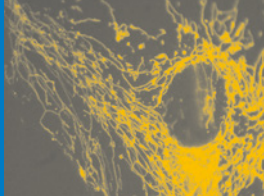
[e.jarry@comnco.com](mailto:e.jarry@comnco.com)

### ONLINE REGISTRATION

Registration free

but compulsory for delegates

# DAY 1: THURSDAY, 27<sup>TH</sup> MAY



MORNING

- 09:30**  **Session I – REDOX & ENERGY METABOLISM**  
**Chairs: Rodrigue Rossignol** (MRGM, Bordeaux, France) & **Sophie Vasseur** (CRCM, Marseille, France)
- 09:30  Symposium Welcome, **Rodrigue Rossignol** (MRGM, Bordeaux, France)
- 09:40  **Keynote lecture**  
*Mitochondrial redox signaling and drug modulation,*  
**Mike Murphy** (MRC Mitochondrial Biology Unit, University of Cambridge, United Kingdom)
- 10:20  **Lecture**  
*xCT-based ferroptosis inducers in the treatment of pancreatic ductal adenocarcinoma – opportunities and challenges ,* **Milica Vucetic** (Centre Scientifique de Monaco – CSM, Monaco)
- 10:40  **Selected talk**  
*Exploiting a redox bottleneck to combat drug tolerance in pancreatic cancer,*  
**Holly Brunton** (CRUK Beatson, United Kingdom)
- 10:55  **Industry talk**  
*The next generation of immunotherapies requires a new generation of cell analysis tools,*  
**Christophe lochem** (Cell Analysis, Agilent Technologies)  

- 11:05  **Lecture**  
*Preventing cancer metastasis with superoxide scavengers,*  
**Pierre Sonveaux** (UC Louvain, Belgium)

# DAY 1: THURSDAY, 27<sup>TH</sup> MAY



MORNING

11:25



## **Selected talk**

*Targeting mitochondrial and redox metabolism to prevent relapse in pancreatic cancer,*  
**Nadine Abdel Hadi** (CRCM, Marseille, France)

11:40



## **Industry talk**



*Nanolive microscopes deliver a complete solution for label-free high resolution live cell imaging and quantitative analysis,* **Adrian Baumann** (Nanolive)

12:05



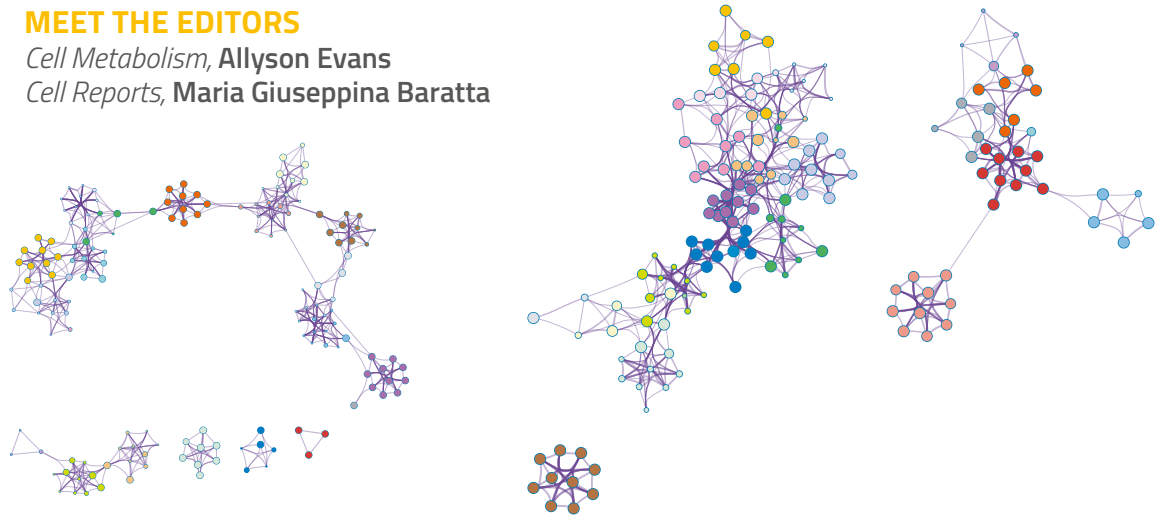
## **BROWSE THE E-POSTERS AND CHAT**

12:30

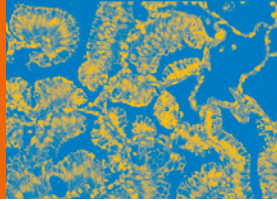
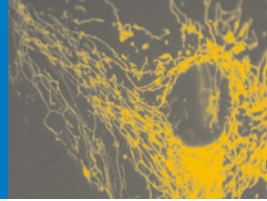


## **MEET THE EDITORS**













*Cell Metabolism,* **Allyson Evans**  
*Cell Reports,* **Maria Giuseppina Baratta**



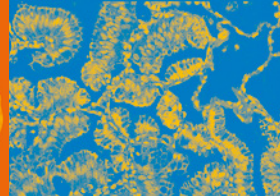
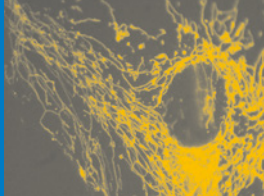
# DAY 1: THURSDAY, 27<sup>TH</sup> MAY



AFTERNOON

- 14:00**  **Session II – REDOX & HYPOXIA**  
**Chairs: Nathalie Mazure** (C3M, Nice, France) & **Marija Vlaski-Lafarge** (EFS/ BMGIC, Bordeaux, France)
- 14:00**  Welcome talk, **Nathalie Mazure** (C3M, Nice, France)
- 14:05**  **Nobel lecture**  
*Understanding cellular oxygen sensing mechanisms: implications for cancer*, **Sir Peter J. Ratcliffe** (Oxford, United Kingdom)
- 15:00**  **Lecture**  
*Oxygen dependent regulation of PARP inhibitors*, **Amato Giaccia** (Oxford, United Kingdom)
- 15:45**  **INDUSTRY SYMPOSIUM**   **Hypoxia live session**, **Petra Miikkulainen** (Baker Ruskinn) & **Gaëtan Podeur** (Alliance Bio Expertise)
- 16:15**  **Industry talk**  
 *Innovative tools for monitoring mitochondrial events in vitro*, **Frédéric Samazan** (Tebu-Bio)
- 16:25**  **Selected talk**  
*HIF1A promotes prostatic intraepithelial neoplasia evolution*, **Mohamed Abu El Maaty** (IGBMC, Illkirch, France)
- 16:40**  **Lecture**  
*The dual metabolic control of stem cell niche: an energy restriction model for the selection of chronicmyeloid leukaemia cells sensitive or resistant to therapy*, **Persio Dello Sbarba** (Università degli Studi di Firenze, Italy)
- 17:10**  **BROWSE THE E-POSTERS AND CHAT**


# DAY 2: FRIDAY, 28<sup>TH</sup> MAY




MORNING


**09:30**  **Session III – METABOLIC PROFILING AND EPIGENETIC CONTROL**  
**Chairs: Laurent Le Cam** (IRCM, Montpellier, France) & **Stéphane Rocchi** (C3M, Nice, France)


09:30  Welcome talk, **Laurent Le Cam** (IRCM, Montpellier, France)

09:35  **Keynote lecture**  
*Novel chromatin based mechanisms*, **Robert Schneider**  
(Institute of Functional Epigenetics, Helmholtz Zentrum München, Neuherberg, Germany)

10:15  **Lecture**  
*Epigenetic reprogramming in SDH-deficient cancers*,  
**Judith Favier** (Cardiovascular Research Center HEGP, Paris, France)

10:45  **Selected talk**  
*Methylglyoxal, a glycolysis by-product, epigenetically silences tumor suppressor genes in triple negative breast cancer*, **Assia Tiamiou** (University of Liège, Belgium)

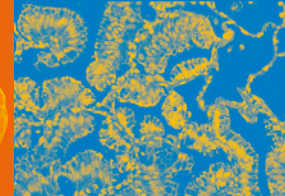
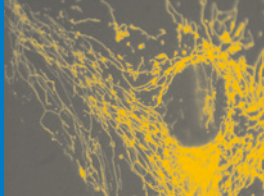
11:00  **Lecture**  
*SCENITH: functional profiling energy metabolism and epigenetics in human samples by Flow cytometry*, **Rafael Jose Argüello** (CIML, Marseille, France)

11:25  **Industry talk**  
*NextGen-O2k and bioenergetics communications*,  
**Erich Gnaiger** (Oroboros Instruments innovations)








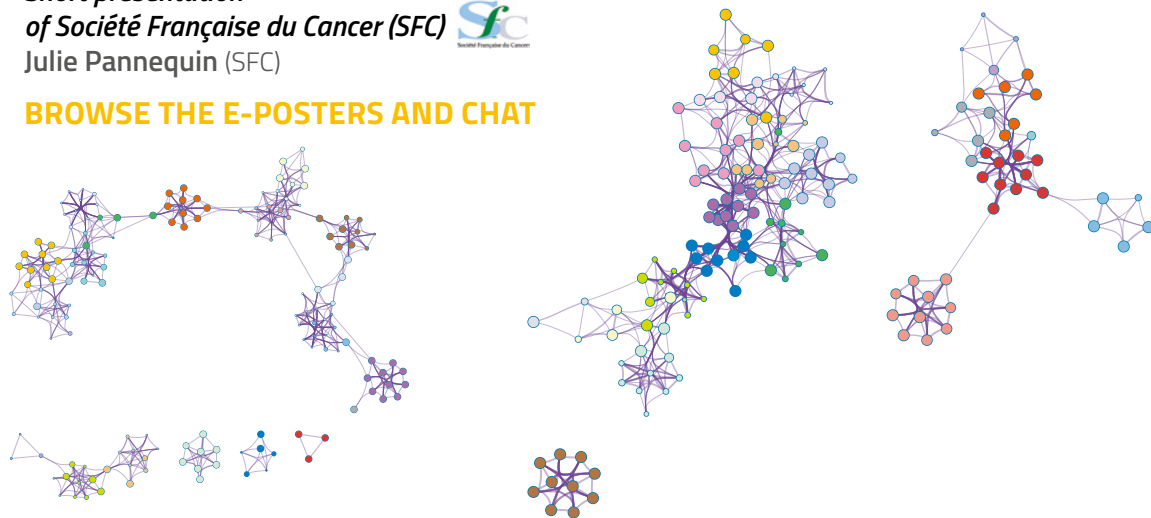


# DAY 2: FRIDAY, 28<sup>TH</sup> MAY

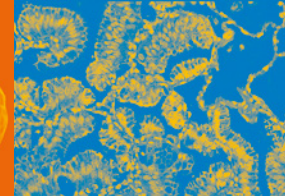
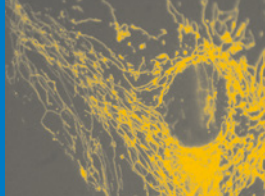


MORNING



- 11:40  **Selected talk**  
*Translatome-based classification reveals a dual metabolic dependency of a new TUMC subtype of pancreatic cancer, **Yvan Martineau** (CRCT, Toulouse, France)*
- 11:55  **Selected talk**  
*Interaction of LncRNA LENOX with the GTPase RAP2C promotes oxidative phosphorylation, melanoma cell survival and resistance to BRAF inhibition, **Giovanni Gambi** (IGBMC, Illkirch, France)*
- 12:10  **Short presentation**  
*of Société Française du Cancer (SFC)*   
*Julie Pannequin (SFC)*
- 12:15  **BROWSE THE E-POSTERS AND CHAT**



# DAY 2: FRIDAY, 28<sup>TH</sup> MAY

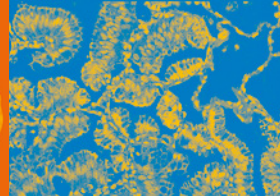
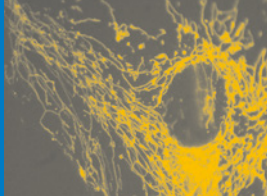


AFTERNOON




- 14:00**  **Session IV – SIGNALING, FUELING & METABOLISM IN CANCER**  
**Chairs: Frédéric Bost** (C3M, Nice, France) & **Jean-Emmanuel Sarry** (CRCT, Toulouse, France)
- 14:00  Welcome talk, **Jean-Emmanuel Sarry** (CRCT, Toulouse, France)
- 14:05  **Lecture**  
*Metabolic control of immunity by the hexosamine biosynthetic pathway,*  
**Maya Saleh** (ImmunoConcept, Bordeaux University, France, & McGill University, Montreal, Quebec)
- 14:35  **Lecture**  
*Dietary fatty acids and the regulation of glycolysis,*  
**Alicia Kowaltowski** (Instituto de Química, Universidade de São Paulo, Brazil)
- 14:55  **Selected talk**  
*The transcription factor ChREBP orchestrates liver carcinogenesis at the interface of the oncogenic PI3K/AKT signaling and cancer cell metabolism,*  
**Emmanuel Benichou** (Institut Cochin, Paris, France)
- 15:10  **Industry talk**  
*Analysis of rates of cellular bioenergetics pathways and applications in studying metabolic reprogramming of cancer cells,* **Barry Bochner** (Biolog Inc)
- 15:40  **Lecture**  
*Autophagic and primary cilium machineries crosstalk in mechanical stress sensing: molecular and functional aspects,* **Etienne Morel** (Institut Necker Enfants Malades, Paris, France)

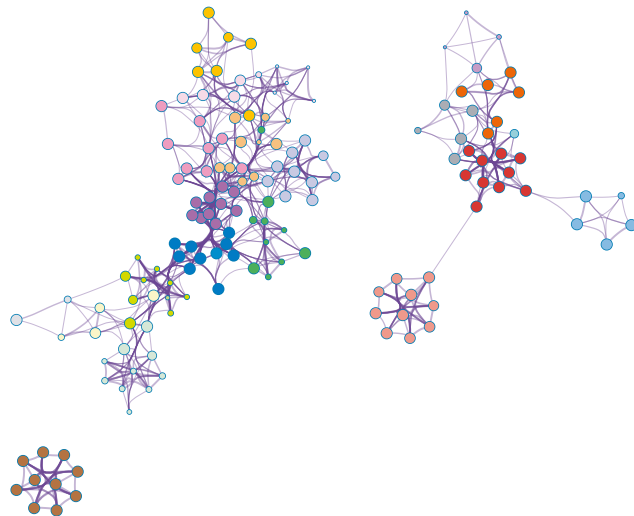
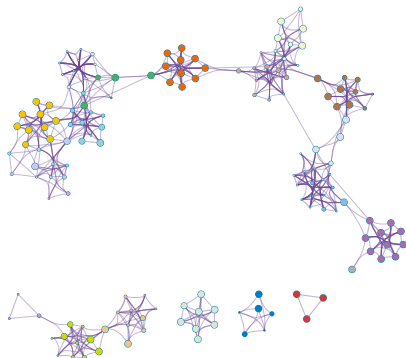


# DAY 2: FRIDAY, 28<sup>TH</sup> MAY

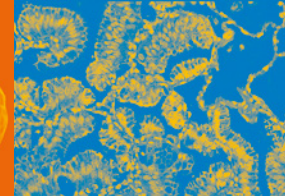
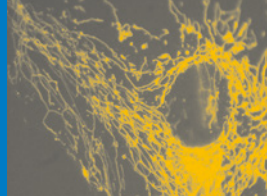


AFTERNOON

- 16:00  **Selected talk**  
*PPARD integrates microenvironment signals to activate a pro-metastatic metabolic program in pancreatic cancer, **Beatriz Parejo-Alonso** (IIS Aragón, Zaragoza, Spain)*
- 16:15  **Keynote lecture**  
*Dietary modulation and cancer therapy, **Karen Vousden** (The Francis Crick Institute, United Kingdom)*
- 17:20  **BEST TALK & E-POSTER AWARDS**



# DAY 3: SATURDAY, 29<sup>TH</sup> MAY




## 09h00 **Session V (GRAND PUBLIC) – CANCER ET NUTRITION (session in French)**

En partenariat avec le réseau NACRe 

**Modérateurs : Alice Carrier** (CRCM, Marseille),  
**Jean-Ehrland Ricci** (C3M, Nice) & **Rodrigue Rossignol** (MRGM, Bordeaux)

09h00  Mot de bienvenue et présentation du réseau NACRe,  
**Nathalie Caplet** (BRIO, Bordeaux) & **Bernard Srouf** (Coordinateur du réseau NACRe)  
Introduction des comédiens **Morgane Clémenceau & Philippe Souque**


09h15  *Impact des facteurs nutritionnels pendant et après un cancer,*  
**Bernard Srouf** (Coordinateur du réseau NACRe)

09h40  *Régimes restrictifs en cancérologie,* **Bruno Raynard** (Gustave Roussy, Villejuif)

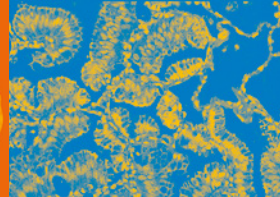
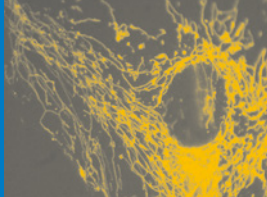
10h05 *Vrai et faux sur nutrition et cancer,* **Vanessa Cottet** (LNC Dijon)

10h25  **Pause**

10h40  *Nutrition clinique au sein des soins de support : dépistage de la dénutrition (cachexie)  
et optimisation des organisations,* **Pierre Senesse** (Institut du Cancer de Montpellier)

11h05  *Oncogériatrie : accompagner les personnes âgées pendant le diagnostic  
et le traitement d'un cancer,* **Isabelle Bourdel-Marchasson** (CHU Bordeaux)

# DAY 3: SATURDAY, 29<sup>TH</sup> MAY



11h30



## TABLE RONDE

**Modérateurs : Alice Carrier** (CRCM, Marseille) & **Jean-Ehrland Ricci** (C3M, Nice)

*Présentation du collectif ASPERON & Co (Associations et Patients Engagés pour la Recherche en Oncologie & Communauté professionnelle), Nathalie Caplet* (BRIO, Bordeaux)

*Questions soulevées par le collectif & questions générales du chat, tous les intervenants*

*Animation - Interventions de comédiens*

12h00

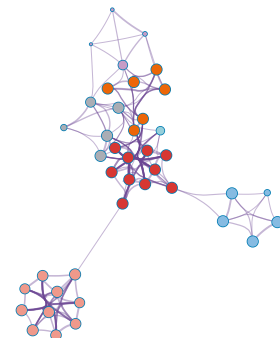
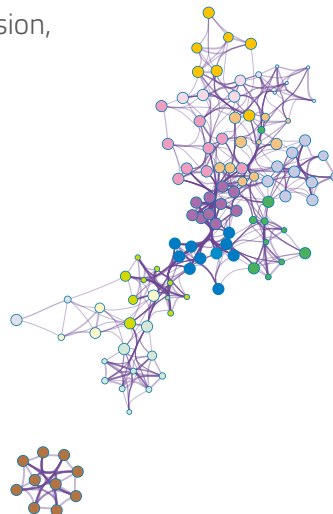
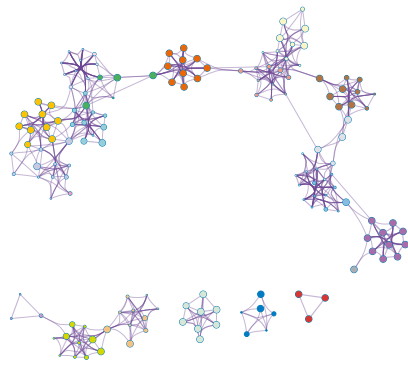


Mot de départ des comédiens & conclusion, **Rodrigue Rossignol** (MRGM, Bordeaux)

12h10



**Fin de la réunion**



# ACKNOWLEDGEMENTS

We thank the partners who contributed to the organization of this event.

